

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: BRUZZESE, T. Confirmation No.: 1570
Appln No.: 10/586,863 Examiner: KIM, J.M.
Filing Date: July 21, 2006 Group Art Unit: 1628
RE: USE OF HIGHLY CONCENTRATED COMPOSITIONS OF SELECTED n-3
FATTY ACIDS FOR THE TREATMENT OF CENTRAL NERVOUS SYSTEM
DISTURBANCES

DECLARATION UNDER 37 C.F.R. §1.132

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

I, Dr. Tiberio Bruzzese, declare as follows:

1. I am the sole inventor in patent application 10/586,863 entitled " USE OF HIGHLY CONCENTRATED COMPOSITIONS OF SELECTED n-3 FATTY ACIDS FOR THE TREATMENT OF CENTRAL NERVOUS SYSTEM DISTURBANCES." I am currently President of the company Bixio Consulting S.r.l. located in Milano (Italy), via Bixio 30, and hold the professional title of Managing Director.

2. I hold a Degree in Industrial Chemistry from the University of Milano (I) and a Degree in Pharmacy from the University of Pavia (I) as described in more detail in a summary curriculum vitae (c.v.) appended hereto. Since 1960, I have worked regularly in the pharmaceutical field, including Pharmaceutical Chemistry, Pharmacology & Toxicology and Clinical Medicine. I have authored and co-authored about one hundred Publications or Congress Presentations regarding the same and I am an inventor or co-inventor of more than eighty Patents, as described in more detail in my summary c.v. appended hereto.

3. I have reviewed the Office Action dated May 25, 2010, and the prior art references cited therein.

4. I have reviewed the following independent claim as amended in the Amendment filed herewith. This claim is copied below and appears in italics:

Claim 29 (Currently Amended): A method of using a composition, for the preparation of a drug for the ~~prevention and/or~~ treatment of the psychiatric disturbances of the central nervous system (CNS) selected from the group consisting of schizophrenia, manic-depressive syndrome, major depression, and Alzheimer's disease comprising a component selected from the group consisting of

a) alpha-linolenic acid (ALA, C18:3 n-3) and/or the pharmaceutically acceptable derivatives and/or precursors thereof;

b) docosahexaenoic acid (DHA, C22:6 n-3) and/or the pharmaceutically acceptable derivatives and/or precursors thereof; and

c) DHA in admixture with eicosapentaenoic acid (EPA, C20:5 n-3), in a ratio of 1:0.5 to 1: 1.7, respectively, and/or the pharmaceutically acceptable derivatives and/or precursors thereof;

wherein said component is present in a concentration not lower than 70% by weight of the total fatty acids weight in the composition;

with the provisos that:

when the composition comprises b), arachidonic acid is not added thereto; and

when the composition comprises c), it does not comprise 10 to 40% by weight of reducing/antioxidant vitamins or provitamins.

5. Nishikawa et al. (U.S. Patent No. 6,306,907), Horrobin (U.S. Patent No. 4,977,187), and Chen (U.S. Patent No. 6,759,435) were determined by the examiner to render the claimed invention obvious. According to the examiner:

“The claims differ from the cited references in claiming combination of DHA and EPA and GLA composition of Horrobin to treat schizophrenia. To employ combinations of DHA and EPA & GLA (gamma-linolenic acid: n-6 essential fatty acid) composition to treat schizophrenia would have been obvious because all the components are well known individually for treating schizophrenia. It would be expected that the combination of components would schizophrenic conditions as well. One of ordinary skill in the art would have combined the antischizophrenic agents by known methods and that in combination, each element merely

would have performed the same antischizophrenic activity as it did separately.”

I respectfully disagree with these determinations for the reasons explained below.

6. Based on the conventional wisdom (including the teachings of the prior art) at the time the invention was made, the results of the claimed invention were unexpected. My experimental results described in Example 6 of the application, and in the subsequently-generated data described below, show that the presently claimed method alleviates symptoms of Schizophrenia in mammals. These results are unexpected, since the prior art teaches away from the claimed combination of DHA and EPA, and because the prior art teaches that GLA is an essential feature of a composition for treating Schizophrenia, yet the presently claimed method that alleviates Schizophrenia symptoms in mammals involves a composition that does not include GLA.

7. Subsequent to the filing of the present application, I generated additional data further demonstrating the efficacy of the presently claimed method for treatment of Schizophrenia. The additional experimentation showed, in a mouse model of induced schizophreniform psychosis, that pretreating mice with the presently claimed composition (Table 1 below) 4 weeks prior to inducing the schizophreniform psychosis resulted in attenuation of the schizophreniform psychosis (Table 2 below).

Table 1 - Materials

COMPOSITION	REMARKS ON FATTY ACIDS (assays by wt%)
BB ¹	EPA+DHA ethyl esters = 86.3 (48.2 + 38.1, respectively)
FF ¹	EPA+DHA ethyl esters = 89.5 (4.3 + 85.2, respectively)
Mellor et al. (MaxEPA®) ²	EPA+DHA (glycerides) = 28.5 (17.1 + 11.4, respectively)
US 6,331,568/US 6,384,077 ³	EPA+DHA ethyl esters = 95.3 (92.5 + 2.8, respectively) (other omega-6 = 2.6%)

¹The compositions, BB and FF were prepared according to the disclosure of Example I of the present application as filed and fall within the definitions of the

compositions B and F of said example, respectively (see the table of page 8 of the present application).

²MaxEPA® is a dietary supplement commercialised by Seven Seas Healthcare Ltd, comprising, besides to EPA and DHA, substantial amounts of saturated, monounsaturated and omega-6 polyunsaturated components; it is used in Mellor J. et al.: "Omega-3 fatty acid supplementation in schizophrenic patients", Human Psychopharmacology, Clinical and experimental, John Wiley & Son, vol. II, no. I, 1996, pages 39-46 (e.g., page 40, left col., "Materials").

³EPA and DHA ethyl esters showing an assay falling within the disclosure of both US 6331568 - [f.i. col. 3, line 28 and col. 4, letters c) and d)] and US 6384077 - (f.i., col. 5, lines 59-60) were obtained from the distillate of the process leading to DHA ethyl ester (so-called D-l product), according to W08911521 (mentioned for the preparation of Composition F, example I of the US application as filed, page 8, line 12). EPA ethyl ester from the distillate was further purified by silica gel chromatography (eluent: n-hexane) and by a final molecular distillation. Similar concentration/purification methods are summarized in US 6384077 (column 5, line 51 to column 6, line 3), which however does not disclose any specific experimental protocol.

Control groups were treated with olive oil. All compositions were administered in the volume of 5-10 ml/kg in mice. Positive control and experimental -groups were treated once with the reference substance, by ip route, diluted in saline solution.

EXPERIMENTAL SECTION

Compositions BB and FF and MaxEPA® were screened in order to evaluate their ability to counteract the pathophysiology of schizophrenia; olive oil was used as a control.

The composition BB was also tested, following the teachings of the present application (see the specification of page 6, line 31 to page 7, line 26, specifically page 7, line 11), together with clozapine, another active principle suitable for the use of the invention in the treatment of schizophrenia.

Seven groups of 10 Swiss albino mice each were treated daily for 4 weeks, by oral route (gavage), according to the treatment scheme illustrated in the table below.

At the end of the treatment period, all the animals received by i.p. route 1 mg/Kg of dizocilpine (as described in the present specification, page 9, lines 14-18), an analogue of phencyclidine able to bind the N-methyl-D-aspartate (NMDA) receptors, inducing the hypofunction thereof and subsequent schizophreniform psychosis, resulting in irregular and intense jumping (so called "popping"). Popping attenuation represents a valid experimental model to screen substances able to counteract the pathophysiology of schizophrenia (Deutsch S. I. et al "Topiramate antagonizes MK-801 in an animal model of schizophrenia", Eu. J. of Pharmacology 449, pp. 121-125,2002, see page 121).

Following the administration of dizocilpine, the animals were monitored for 30 minutes and the popping behaviour, i.e. the number of jumps, was then registered.

Table 2

GROUP No.	COMPOSITION	DOSE (mg/kg)	RESULTS (No. of induced jumps)
1	BB	100	43 ± 15
2	BB	50	66 ± 21
3	BB + clozapine	25 + 25 i.p. (once)	35 ± 8
4	FF	50	50 ± 6
5	Mellor (MaxEPA®)	50	216 ± 35
6	Mellor (MaxEPA®)	200	194 ± 27
7	Control (olive oil)	-	292 ± 44

RESULTS AND CONCLUSIONS

Both compositions BB and FF were able to attenuate a schizophreniform psychosis, in a dose-related manner and in combination with a sub-effective dose of clozapine -a known drug- as well. MaxEPA® resulted to be much less effective than compositions BB and FF.

Composition FF (comprising DHA substantially alone) resulted to be almost equipotent than composition BB whereas, according to US 6331568 and US 6384077, EPA should be considered as the effective compound, while DHA competes with EPA and is detrimental to its activity (see, for instance, US 6,331,568, col. 2, lines 30-58).

8. In addition, the prior art and conventional wisdom at the time the invention was made actually *teaches away* from the present claims. All the scientific works published after the publication of Nishikawa et al. in 1992 have led to the progressive acknowledgement that other omega-3 acids, particularly EPA, were definitely superior in activity with respect to DHA. For example and in particular, Mellor et al. (Human Psychopharm., 1996, listed on the IDS filed July 21, 2006), reported that omega-3 acids, especially EPA, improve the positive symptoms of schizophrenia and tardive dyskinesia, as demonstrated by the administration of fish oil (containing about 18% EPA and 12% DHA). Further, Mellor et al confirmed (see, e.g., the abstract, lines 1-2) that certain n-3 and n-6 EFAs are depleted in cell membranes from red blood cells (RBC) and brains of patients suffering from schizophrenia. It was also therein reported that a greater intake of n-3 fatty acids, especially EPA, was associated with less severe

schizophrenic symptoms, in particular positive symptoms, as well as tardive dyskinesia (TD, see, e.g., the abstract, lines 4-6). In fact, supplementation of the diet with 10g/day of concentrated fish oil (i.e. 18% of EPA and 12% of DHA, see Mellor et al., page 40, "Materials") was reported to result in significant amelioration of both schizophrenic symptoms and TD ascribable to the increased level of n-3 fatty acids in RBC membranes (abstract, lines 7-10 and page 41, paragraph bridging the columns). Table 5 of Mellor et al. shows a 274% EPA (20:5 n-3) increase (0.91 to 3.4 mg%) and a 41.8% DHA (22:6 n-3) increase (5.05 to 7.16 mg).

As another example, U.S. Patent No. 6,331,568 to Horrobin (the “ ‘568 patent”, listed in the IDS filed July 21, 2006), describes the poor activity found in Mellor et al. and demonstrates that the actual active substances, rather than DHA, are EPA and SA (stearidonic acid), because both of them are efficient inhibitors of phospholipase PLA2, while DHA is not. In addition, the ‘568 patent remarks that the modestly beneficial effects obtained by supplementing a mixture of 18% EPA-12% DHA, as disclosed in Mellor et al., could have been caused by either component or both of them (col. I, line 64 to col. 2, line 3). In order to better understand the activity of n-3 fatty acids, the ‘568 patent therefore explores treating schizophrenia and TD by administering (col. 2, lines 8-20):

('EPA group') 20 ml of a 40% emulsion providing 8g of an oil containing 2.0 g (25%) of EPA and 0.4 g (5%) of DHA
or

('DHA group') 20 ml of a 40% emulsion providing 8g of an oil containing 2.3g (28.75%) of DHA and 0.5g (6.25%) of EPA
or

placebo,
finding that "the DHA group was not significantly different from placebo, whereas the EPA group was significantly better than both the DHA group and the placebo group" (emphasis added, col. 2, lines 30 - 33). In particular, the author concludes that "there can be no doubt that EPA is primarily responsible for the positive effects" (col 2, lines 37-39), as it is further demonstrated, besides by clinical evidence, also by biochemical arguments, according to which **EPA is a potent inhibitor of phospholipase PLA2,**

"whereas the relatively similar fatty acid, DHA is not" (emphasis added, col. 2, lines 48-58).

Further, the '568 patent also discloses that another n-3 fatty acid, SA, "is as effective, in inhibiting PLA2, as is EPA" and that, **unlike DHA**, it can be advantageously effective in treating schizophrenia (col. 2, line 59 to col. 3, line 4). In other words, the '568 patent *teaches away* from the use of DHA and from the disclosure of Mellor et al. (see col.1, lines 45-51) as to the significance and effectiveness of combining n-6 and n-3 fatty acids, i.e., *teaches away* from the combination of DHA and EPA, **shifting indeed the attention of the person skilled in the art to EPA and SA (both n-3 acids)**, which are only optionally combined with n-6 EFAs (see, e.g., claim 1 of the '568 patent).

As another example, in U.S. Patent No. 6,384,077 to Pect (the "'077 patent", listed on the IDS filed July 21, 2006), this reference confirms the hypotheses of Horrobin in the '568 patent about the activity of EPA, if this substance is substantially pure and substantially free of DHA (col. 1, lines 54-63). In particular, the person skilled in the art is taught to treat psychiatric disorders by using pure or nearly pure EPA and its derivatives (col. 3, lines 14-19) based on the observation that the common pathological basis for the major psychotic mental illnesses – i.e. schizophrenia, bipolar disorder and major depression- and for many neurodegenerative disorders as well, can be identified with the hyperactivity of phospholipase PLA2 (col. 3, lines 20-32 and col. 4, lines 8-18), following the teachings of the '568 patent also for this aspect. The teachings of the '077 patent confirm that such hyperactivity can be effectively inhibited by highly purified EPA and that other fatty acids, among which DHA, compete with EPA, i.e. other PUFAs are detrimental to the activity of EPA (col. 6, lines 23-31), as clinically shown by comparing two preparations (25% EPA + 8% DHA - 96% EPA + DHA <3%: col. 6, lines 38-55). The '077 patent, however, discloses that the activity of substantially pure EPA must be carried out "*in conjunction with a drug which acts primarily on neurotransmitter metabolism or receptors*" (see e.g. claim 1 of the '077 patent).

In summary, all the scientific works published after 1992 would have led the skilled person towards selecting EPA for treating psychiatric and degenerative disturbances of CNS by discouraging the use of other PUFAs and, in particular,

representing a substantially uniform consensus to *opposing* the use of DHA (as presently claimed).

9. In summary, it is clear that the prior art *teaches away* from using DHA alone, and to use instead EPA, but not in association with DHA. In the instant combination of references, one of ordinary skill in the art would find no motivation, implicit or explicit, to alter the methods of Nishikawa et al., based on Horrobin's disclosure that an n-6 acid is necessary in a composition for treating schizophrenia, and Chen's disclosure of different types of schizophrenia. In addition, the results of the presently claimed method were unexpected. In view of the prior art's *teaching away* and the conventional wisdom at the time the invention was made, and because the results of the presently claimed invention were unexpected in view of the prior art, the presently claimed invention is non-obvious and inventive over the prior art.

10. I further state that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with my knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

21st September 2010

Date

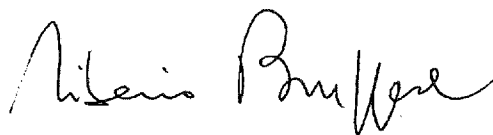
Tiberio Bruzzese

Dr. Tiberio Bruzzese

Summary **CURRICULUM VITAE**

The undersigned **TIBERIO BRUZZESE** is an ITALIAN citizen, currently residing in MILANO (ITALY) – via FRUA 21 /6.

- I hold a Degree in **Industrial Chemistry** from the University of Milano (I) in 1960 and a Degree in **Pharmacy** from the University of Pavia (I) in 1982.
- Assistant Professor of **General and Organic Chemistry** at the Politechnic University of Milano in 1960.
- **Chemical Research** Manager at the Istituto De Angeli Farmaceutici S.p.a. of Milano (1960 to 1967).
- **Chemical Research** Director (1967), **Research** Director (1974), then **member of the Board and vice-President & CEO** (1993 to 2002) at SPA-Società Prodotti Antibiotici S.p.a. of Milano.
- **Member of the board** of the Company PRO.BIO.SINT S.p.a. of Varese (I) and of the Company Solchem S.p.a. of Cassino d'Alberi (I).
- **President & Managing Director** of the Company Bixio Consulting S.r.l. of Milano (I) (2003 to the present).
- Formerly **Member of Italian and US Associations** (AFI, SISF, ACS, AAAS).
- **Author or co-author** of about one hundred Publications or Congress Presentations, and **inventor or co-inventor** of more than eighty Patents in the field of Pharmaceutical Chemistry, Pharmacology and Clinical Medicine.



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Chemotherapy, 46, 153, 2000
59. RIMAROLI C., BRUZZESE T.
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8. BONABELLO A., BRUZZESE T.
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15. STRIPPOLI V., SIMONETTI N., SIMONETTI G., BRUZZESE T.
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16. GULMINETTI R., RIMAROLI C., BRUZZESE T., MARONE P.
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17. GULMINETTI R., RIMAROLI C., BRUZZESE T., MARONE P.
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18. STRIPPOLI V., D'AURIA F.D., SIMONETTI N.
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19. STRIPPOLI V., D'AURIA F.D., BRUZZESE T., SIMONETTI N.
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21. RIMAROLI C., BRUZZESE T.
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22. RIMAROLI C., BRUZZESE T.
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RESULT LIST

85 results found in the Worldwide database for:

Tiberio Bruzzese as the inventor

Sorting criteria: **Upload Date** Priority Date Inventor Applicant Ecla

- 1 **PYRIDINECARBONYL DERIVATIVES OF 7-(,omega.-(N-ALKYL-N-OPTIONALLY HYDROXYALKYL SUBSTITUTED AMINO)-HYDROXYALKYL)-THEOPHYLLINE**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: CA878502 (A) - 1971-08-17
 IPC:
 Publication CA878502 (A) - 1971-08-17
 Info: Priority Date:
- 2 **SALTS OF PENICILLINS**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: A61K31/43; C07D499/00
 IPC: A61K31/43; C07D499/00; C07D499/22; (+2)
 Publication GB1224235 (A) - 1971-03-03
 Info: Priority Date: 1968-07-23
- 3 **BASIC DERIVATIVES OF LYSOZYME**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: C12N9/36
 IPC: C12N9/36; C12N9/36
 Publication GB1209214 (A) - 1970-10-21
 Info: Priority Date: 1968-07-23
- 4 **PYRIDINECARBONYL DERIVATIVES OF 7-(OMEGA-(N-ALKYL-N-OPTIONALLY HYDROXYALKYL SUBSTITUTED AMINO) - HYDROXYALKYL)THEOPHYLLINE**
 Inventor: GHIEMMETTI GIUSEPPE ; BRUZZESE TIBERIO
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C07D473/08
 IPC: C07D473/08; C07D473/00; (IPC1-7): C07D57/48
 Publication US3565896 (A) - 1971-02-23
 Info: Priority Date: 1968-12-10
- 5 **ESTERS OF DIPHENOLIC SUBSTANCES**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: C07D209/34; C07D213/30; (+5)
 IPC: C07D209/34; C07D213/30; C07F9/12; (+7)
 Publication GB1292472 (A) - 1972-10-11
 Info: Priority Date: 1970-06-16
- 6 **BASIC DERIVATIVES OF LYSOZYME**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C12N9/36
 IPC: C12N9/36; C12N9/36; (IPC1-7): A61K19/00
 Publication US3859435 (A) - 1975-01-07
 Info: Priority Date: 1969-04-21
- 7 **Analogifremgangsmåde til fremstilling af 4,4'-disulfoxy-diphenyl-(2-pyridyl)-methanderivater.**
 Inventor: BRUZZESE TIBERIO [IT]
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: C07D213/30
 IPC: C07D213/30; C07D213/00; (IPC1-7): C07D213/30
 Publication DK138986 (B) - 1978-11-27
 Info: DK138986 (C) - 1979-05-07
 Priority Date: 1971-09-17
- 8 **4-ACETOXY-4-(40-SULFOXYDIPHENYL)-(2-PYRIDYL) METHANE AND SODIUM SALT THEREOF**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C07D209/34; C07F9/12; (+3)
 IPC: C07D209/34; C07F9/12; C07F9/40; (+5)
 Publication US3873551 (A) - 1975-03-25
 Info: Priority Date: 1970-06-16
- 9 **3,3-BIS-(P-PHOSPHONOXY- AND P-SULPHOXY-PHENYL)-2-INDOLINONES**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE (+1)
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C07D209/34; C07F9/12; (+1)
 IPC: C07D209/34; C07F9/12; C07F9/58; (+3)
 Publication US3901912 (A) - 1975-08-26
 Info: Priority Date: 1970-06-16
- 10 **Alkyl esters of polyene antibiotics**
 Inventor: BRUZZESE TIBERIO ; FERRARI RODOLFO
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C07H17/08
 IPC: A61K35/74; A61P31/00; C07G11/00; (+6)
 Publication US3936526 (A) - 1976-02-03
 Info: Priority Date: 1972-07-24
- 11 **Process for preparing 4,4-disulphoxy-diphenyl-(2-pyridyl)-methane derivatives**
 Inventor: BRUZZESE TIBERIO
 Applicant: PRODOTTI ANTIBIOTICI S P A SPA
 EC:
 IPC: (IPC1-7): C07D31/48
 Publication US3882131 (A) - 1975-05-06
 Info: Priority Date: 1971-09-17
- 12 **ESTERS OF PARTRICIN AND OF PARTRICIN DERIVATIVES**
 Inventor: BRUZZESE TIBERIO ; GHIEMMETTI GIUSEPPE
 Applicant: PRODOTTI ANTIBIOTICI SPA
 EC: C07H17/08G
 IPC: A61K35/74; A61P31/00; A61P31/04; (+10)
 Publication CA1025848 (A1) - 1978-02-07
 Info: Priority Date: 1973-02-15

WERKWIJZE VOOR HET BEREIDEN VAN EEN AL DAN NIET

- 13 GEVORMD FARMACEUTISCH PREPARAAT EN WERKWIJZE VOOR HET BEREIDEN VAN HET WERKZAME BESTANDDEEL DAARIN.**
Inventor: BRUZZESE TIBERIO ; FERRARI **Applicant:** PRODOTTI ANTIBIOTICI SPA
RODOLFO
EC: C07D213/30; C07D213/55; (+1) **IPC:** C07D213/30; C07D213/55; C09B11/26; (+3)
Publication CH603583 (A5) - 1978-08-31 **Priority Date:** 1973-05-30
Info:
- 14 Process for preparing dihydroxydiphenylmethane derivatives**
Inventor: BRUZZESE TIBERIO ; FERRARI **Applicant:** BRUZZESE TIBERIO ; FERRARI
RODOLFO
EC: C09B11/26 **IPC:** C09B11/26; C09B11/00; (IPC1-7); C07D213/30; (+1)
Publication US3963732 (A) - 1976-06-15 **Priority Date:** 1973-05-30
Info:
- 15 SALZE UND KOMPLEXE VON LYSOZYM UND LYSOZYMDERIVATE**
Inventor: BRUZZESE TIBERIO [IT]; FERRARI **Applicant:** PRODOTTI ANTIBIOTICI SPA
RUDOLFO [IT]
EC: C12N9/36 **IPC:** A61K38/46; A61P31/12; C07J9/00; (+12)
Publication DE2457107 (A1) - 1975-06-12 **Priority Date:** 1973-12-03
Info:

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Tiberio Bruzzese as the inventor

Sorting criteria: **Upload Date** Priority Date Inventor Applicant Ecla

16 ALKYL ESTERS OF POLYENE ANTIBIOTICS

Inventor: BRUZZESE TIBERIO ; FERRARI RODOLFO
EC: C07H17/08
Publication US4038382 (A) - 1977-07-26
Info: Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: C07H17/08; C07H17/00
Priority Date: 1972-07-24

17 LYSOZYME DERIVATIVES

Inventor: BRUZZESE TIBERIO ; FERRARI RODOLFO
EC: A61K38/47; C07J9/00B
Publication US3937815 (A) - 1976-02-10
Info: Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: A61K38/47; C07J9/00; A61K38/43; (+3)
Priority Date: 1975-12-05

18 VERFAHREN ZUR HERSTELLUNG VON ISOBUTYLPHENYLVERBINDUNGEN

Inventor: BRUZZESE TIBERIO [IT]; CAMBIERI MAURIZIO [IT] (+1)
EC: C07C51/09
Publication DE2614306 (A1) - 1976-10-21
Info: Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: B01J23/00; B01J27/00; C07B61/00; (+17)
Priority Date: 1975-04-03

19 Process for the preparation of isobutylphenyl compounds

Inventor: BRUZZESE TIBERIO [IT]; CAMBIERI MAURIZIO [IT] (+1)
EC: C07C51/16; C07C51/16
Publication CH624086 (A5) - 1981-07-15
Info: Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07C51/16; C07C51/16; (IPC1-7): C07C57/30
Priority Date: 1976-05-21

20 Method for the treatment of dyslipidaemia and arteriosclerosis

Inventor: BRUZZESE TIBERIO [IT]; FERRARI LORENZO [IT]
EC: A61K31/70
Publication US4192864 (A) - 1980-03-11
Info: Applicant: PROSPA NV [NL]
IPC: A61K31/00; A61K35/00; A61K31/00; (+2)
Priority Date: 1977-05-30

21 A NEW POLYENIC ANTIBIOTIC

Inventor: TIBERIO BRUZZESE, ; RODOCFO FERRARI
EC: A61K31/70; C07H17/08
Publication MY20678 (A) - 1978-12-31
Info: Applicant: SPA SOCIETA PRODOTTI ANTIBIOTICI
IPC: C07H17/08; C07H17/00; (IPC1-7): A61K31/71; (+1)
Priority Date: 1970-11-03

22 Method of relieving pain and treating inflammatory conditions in warm-blooded animals

Inventor: BRUZZESE TIBERIO ; FERRARI RODOLFO
EC: C07C57/30; C07C57/46; (+3)
Publication US4279928 (A) - 1981-07-21
Info: Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: A61K31/205; A61P29/00; C07C227/18; (+27)
Priority Date: 1974-03-07

23 Glucofuranose derivatives

Inventor: BRUZZESE TIBERIO ; FERRARI LORENZO (+1)
EC: C07H15/04C
Publication US4251520 (A) - 1981-02-17
Info: Applicant: BRUZZESE TIBERIO ; FERRARI LORENZO (+1)
IPC: A61K31/70; A61P29/00; C07H15/04; (+7)
Priority Date: 1976-11-16

24 Method for the treatment of benign prostatic hypertrophy

Inventor: BRUZZESE TIBERIO ; FERRARI LORENZO
EC: A61K31/70
Publication US4237117 (A) - 1980-12-02
Info: Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: A61K35/00; A61K35/00; (IPC1-7): A61K35/00
Priority Date: 1979-10-05

25 ACIDI IDROSSAMICI SOSTITUITI, PROCEDIMENTO PER LA LORO PREPARAZIONE E COMPOSIZIONI FARMACEUTICHE CONTENENTI DETTI ACIDI

Inventor: BRUZZESE TIBERIO [IT]; DELL'ACQUA ERNANI [IT] (+1)
EC: Publication IT1130557 (B) - 1986-06-18
Info: Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07C; (IPC1-7): C07C
Priority Date: 1980-03-18

26 DERIVATI DIFENILALCANI SOSTITUITI, PROCEDIMENTO PER LA LORO PREPARAZIONE E LORO IMPIEGO FARMACEUTICO

Inventor: BRUZZESE TIBERIO [IT]; DELL'ACQUA ERNANI [IT] (+1)
EC: Publication IT1131136 (B) - 1986-06-18
Info: Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K; (IPC1-7): A61K
Priority Date: 1980-05-02

27 Derivatives of rifamycins, their preparation and pharmaceutical compositions thereof

Inventor: BRUZZESE TIBERIO [IT]; FERRARI LORENZO [IT]
EC: C07D498/22
Publication US4372961 (A) - 1983-02-08
Info: Applicant: BRUZZESE TIBERIO [IT]; FERRARI LORENZO [IT]
IPC: A61K31/435; A61P31/04; C07D498/22; (+5)
Priority Date: 1980-07-18

info:

- 28 PROCESS FOR THE PREPARATION OF 3-SUBSTITUTED 1,3-OXAZINO-(5,6,-C) RIFAMYCINS**
Inventor: BRUZZESE TIBERIO **Applicant:** HOLCO INVESTMENT INC
EC: C07D498/08; C07D498/18 **IPC:** A61K31/535; A61P31/04; C07D498/08; (+6)
Publication IN161954 (A1) - 1983-09-10 **Priority Date:** 1977-11-25
Info:
- 29 Anti-inflammatory 1,2-benzothiazines**
Inventor: DELL ACQUA ERNANI [IT]; BRUZZESE TIBERIO [IT] (+1) **Applicant:** PRODOTTI ANTIBIOTICI SPA [IT]
EC: C07D417/12 **IPC:** A61K31/54; A61P25/04; A61P29/00; (+7)
Publication US4461768 (A) - 1984-07-24 **Priority Date:** 1981-11-12
Info:
- 30 RIFAMYCINDERIVATE, HERSTELLUNG UND DIESE ENTHALTENDE PHARMAZEUTISCHE ZUBEREITUNGEN.**
Inventor: BRUZZESE TIBERIO; DELL ACQUA ERNANI (+1) **Applicant:** PRODOTTI ANTIBIOTICI SPA [IT]
EC: **IPC:** A61K31/395; C07D498/08; A61K31/395; (+3)
Publication AT23719 (T) - 1986-12-15 **Priority Date:** 1983-03-24
Info:

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85 results found in the Worldwide database for:

Tiberio Bruzzeze as the inventor

Sorting criteria: **Upload Date** Priority Date Inventor Applicant Ecla

- 31 Rifamycins derivatives and preparation and pharmaceutical compositions thereof**
Inventor: BRUZZESE TIBERIO [IT]; DELL ACQUA ERNANI [IT] (+1)
EC: C07D498/08
Publication US4562203 (A) - 1985-12-31
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K31/395; A61K31/445; A61K31/535; (+10)
Priority Date: 1983-03-24
- 32 VERFAHREN ZUR HERSTELLUNG VON BENZOTHIAZINVERBINDUNGEN.**
Inventor: BRUZZESE TIBERIO; DELL ACQUA ERNANI (+2)
EC:
Publication AT41000 (T) - 1989-03-15
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07D279/02; C07D417/12; C07D275/06; (+6)
Priority Date: 1983-12-16
- 33 Process for preparing 2-methyl-N-(2-pyridyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide derivatives and intermediates therefor**
Inventor: BRUZZESE TIBERIO [IT]; DELL ACQUA ERNANI [IT] (+2)
EC: C07D279/02; C07D417/12
Publication US4599406 (A) - 1986-07-08
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07D279/02; C07D417/12; C07D279/00; (+2)
Priority Date: 1983-12-16
- 34 PANTOTHENOLDERIVATE.**
Inventor: BRUZZESE TIBERIO; OTTONI FRANCO (+1)
EC:
Publication AT54307 (T) - 1990-07-15
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K31/22; C07C235/08; A61K31/21; (+3)
Priority Date: 1985-10-08
- 35 Pantothenyl derivatives**
Inventor: BRUZZESE TIBERIO [IT]; OTTONI FRANCO [IT] (+1)
EC: C07C229/12
Publication US4721728 (A) - 1988-01-26
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K31/205; A61P43/00; C07C229/12; (+8)
Priority Date: 1985-10-08
- 36 Peptides correlated to lysozyme**
Inventor: BRUZZESE TIBERIO [IT]; CEDRO ARMANDO [IT] (+1)
EC: C12N9/36; C12P21/06
Publication US4784988 (A) - 1988-11-15
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K38/43; A61K38/46; A61P25/04; (+26)
Priority Date: 1985-12-11
- 37 Process for obtaining foods free of Listeria bacteria**
Inventor: DELL ACQUA ERNANI [IT]; BRUZZESE TIBERIO [IT] (+1)
EC: A23C19/04E; A23C9/12B6; (+2)
Publication US4810508 (A) - 1989-03-07
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A23C13/08; A23C15/18; A23C19/04; (+19)
Priority Date: 1986-10-28
- 38 NOUVEAUX ANTAGONISTES DE L'ALDOSTERONE.**
Inventor: GHIEMMETTI GIUSEPPE [IT]; BRUZZESE TIBERIO [IT] (+2)
EC: C07J21/00B1; C07J31/00B
Publication BE1000952 (A3) - 1989-05-23
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA
IPC: C07J21/00; C07J31/00; C07J21/00; (+3)
Priority Date: 1986-12-17
- 39 Rifamycin derivative salts**
Inventor: BRUZZESE TIBERIO [IT]; CEDRO ARMANDO [IT] (+1)
EC: C07D498/08
Publication PT86621 (A) - 1988-02-01
Info: PT86621 (B) - 1991-12-31
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07D498/08; C07D498/00; (IPC1-7): A61K31/33; (+1)
Priority Date: 1987-01-26
- 40 Anti-hypertensive compound with beta blocking and diuretic action**
Inventor: CECCHETTI VIOLETTA; FRAVOLINI ARNALDO (+2)
EC:
Publication IT1227160 (B) - 1991-03-20
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: A61K; (IPC1-7): A61K
Priority Date: 1988-07-21
- 41 VERFAHREN ZUR SYNTHES EINES BENZO [1,2] CHINOLIZIN-2-CARBONSAEURE-DERIVATES.**
Inventor: BRUZZESE TIBERIO; SIGNORINI MASSIMO (+1)
EC:
Publication AT86254 (T) - 1993-03-15
Info:
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: C07D405/06; C07D455/04; C07D405/00; (+3)
Priority Date: 1987-10-05
- 42 Process for the synthesis of a benzo [ij] quinolizine-2-carboxylic acid derivative.**
Inventor: BRUZZESE TIBERIO; SIGNORINI MASSIMO (+1)
EC: C07D405/06; C07D455/04
Publication EP0310849 (A1) - 1989-04-12
Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
IPC: B01J31/02; C07B61/00; C07D405/06; (+7)
Priority Date: 1987-10-05

Info: EP0310849 (B1) - 1993-03-03

43 PHARMACOLOGICALLY ACTIVE PEPTIDE DERIVATIVES AND PHARMACEUTICAL PREPARATIONS CONTAINING THEM

Inventor: BRUZZESE TIBERIO [IT]; SIGNORINI MASSIMO [IT] (+2)
 EC: C07K5/08A1A; C07K5/08A1F IPC: A61K38/00; A61P25/04; A61P31/12; (+9)
 Publication US5182265 (A) - 1993-01-26 Priority Date: 1989-08-28
 Info:

44 POLYENE MACROLIDE DERIVATIVES

Inventor: BRUZZESE TIBERIO [IT]; OTTONI FRANCO [IT] (+1)
 EC: C07H17/08G IPC: A61K31/70; A61K31/7042; A61K31/7048; (+8)
 Publication KR100185200 (B1) - 1999-05-15 Priority Date: 1989-11-16
 Info:

45 A method for the production of complexes of long chain polyunsaturated fatty acids and their derivatives, with cyclodextrins, and the resulting complexes.

Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI [IT]
 EC: A61K47/48W18B; C08B37/00M2B2; (+1) IPC: A61K31/20; A61K31/202; A61K31/23; (+18)
 Publication PT98606 (A) - 1992-06-30 Priority Date: 1990-08-09
 Info: PT98606 (B) - 1999-01-29

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46 Partricin derivatives

Inventor: BRUZZESE TIBERIO [IT]; SIGNORINI MASSIMO [IT] (+1)
 EC: C07H17/08G
 IPC: A61K31/70; A61K31/7042; A61K31/7048; (+18)
 Publication US5298495 (A) - 1994-03-29
 Info: Priority Date: 1990-12-03

47 Partricine derivatives, process for preparing them and pharmaceutical compositions containing them

Inventor: SIGNORINI MASSIMO [IT]; OTTONI FRANCO [IT] (+1)
 EC: A61K31/70; C07H17/08; A61K; (+5)
 Publication PT99964 (A) - 1993-07-30
 Info: PT99964 (B) - 1999-06-30
 Priority Date: 1992-01-02

48 PROCESSO PER LA SINTESI DELLA 2-AMMINO-6-CLOROPURINA

Inventor: BRUZZESE TIBERIO; ROGNONI MARCO
 EC: C07D; (IPC1-7): C07D
 Publication IT1264862 (B1) - 1996-10-17
 Info: Priority Date: 1993-06-21

49 Pharmaceutical compositions containing esters of omega-3 polyunsaturated acids and their use in the topical treatment of morbid affections.

Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI [IT] (+1)
 EC: A61K31/20; A61K31/23; (+8)
 Publication NO932843 (A) - 1994-02-14
 Info: NO309383 (B1) - 2001-01-22
 IPC: A61K31/20; A61K31/23; A61K47/10; (+18)
 Priority Date: 1992-08-11

50 Process for the synthesis of 2-amino-6-chloropurine

Inventor: BRUZZESE TIBERIO; ROGNONI MARCO
 EC: C07D401/00; C07D; C07D401/00; (+1)
 Publication IT1269881 (B) - 1997-04-15
 Info: Priority Date: 1994-06-02

51 Process for the synthesis of 9-(2-hydroxyethoxy methyl) guanine

Inventor: BRUZZESE TIBERIO [IT]; GUAZZI GIUSEPPE [IT] (+2)
 EC: C07D473/00; C07D473/18
 Publication US5496945 (A) - 1996-03-05
 Info: Priority Date: 1993-06-14
 IPC: C07D473/00; C07D473/18; C07D473/00; (+1)

52 Pharmaceutical preparations containing polyunsaturated fatty acids, their esters or salts, together with antioxidant vitamins or provitamins

Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/375
 Publication US5776978 (A) - 1998-07-07
 Info: Priority Date: 1994-08-25
 IPC: A61K31/015; A61K31/07; A61K31/20; (+22)

53 Salts of a polyunsaturated fatty acid and pharmaceutical formulations containing them

Inventor: BRUZZESE TIBERIO [IT]
 EC: C07C229/26; C07C279/16; (+1)
 Publication US5750572 (A) - 1998-05-12
 Info: Priority Date: 1993-12-14
 IPC: A61K31/195; A61K31/198; A61K31/20; (+17)

54 PRODUCTION OF 1-BETA-D-ARABINOFURANOSYLCYTOSINE

Inventor: DE MEGLIO GIUSEPPE [IT]; ORDANINI GIANCARLO [IT] (+1)
 EC: C07H19/06E
 Publication JP9165396 (A) - 1997-06-24
 Info: Priority Date: 1995-08-03
 IPC: A61K31/70; A61K31/7042; A61K31/7052; (+15)

55 COATED COMPOSITIONS CONTAINING POLYENE DERIVATIVES

Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI [IT]
 EC: A61K9/28K
 Publication WO9747311 (A1) - 1997-12-18
 Info: Priority Date: 1996-06-12
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]; BRUZZESE TIBERIO [IT] (+1)
 IPC: A61K9/28; A61K9/32; A61K9/36; (+4)

56 Salts of omega-3-polyunsaturated fatty acids and pharmaceutical formulations containing them

Inventor: BRUZZESE TIBERIO [IT]
 EC: C07C215/08; C07C215/12; (+2)
 Publication US5869714 (A) - 1999-02-09
 Info: Priority Date: 1994-10-20
 IPC: A61K31/205; A61P7/02; C07C215/08; (+9)

57 Antitumoral method by administration of partricin derivatives

Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/70; A61K31/706
 Publication US5914321 (A) - 1999-06-22
 Info: Priority Date: 1997-09-19
 Applicant: PROSPA BV [NL]
 IPC: A61K31/70; A61K31/70; (IPC1-7): A61K31/70

- Info:
58 **USO DI BISFOSFONATI PER LA PREPARAZIONE DI
 MEDICAMENTI SOMMINISTRABILI MEDIANTE
 IONTOFORESI**
 Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI (+1) Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: IPC: A61K; (IPC1-7): A61K
 Publication IT1295941 (B1) - 1999-05-28 Priority Date: 1997-11-05
 Info:
- 59** **Use of bisphosphonates in pharmaceutical preparations
 Intended for intramuscular use**
 Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI [IT] (+1) Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: A61K47/10; A61K9/00M5; (+1) IPC: A61K31/66; A61K47/10; A61K9/00; (+5)
 Publication BE1012137 (A3) - 2000-05-02 Priority Date: 1997-11-21
 Info:
- 60** **ANTITUMORAL METHOD BY ADMINISTRATION OF
 PARTRICIN DERIVATIVES**
 Inventor: BRUZZESE TIBERIO [IT] Applicant: PROSPA BV [NL]
 EC: A61K31/7048; A61K31/706 IPC: (IPC1-7): A61K31/71
 Publication CA2255804 (A1) - 2000-06-07 Priority Date: 1998-12-07
 Info: CA2255804 (C) - 2009-07-28

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- 61 SUPPRESSION OF TUMOR BY ADMINISTRATION OF PARTRICIN DERIVATIVE**
 Inventor: BRUZZESE TIBERIO Applicant: KUATEKKUSU NV
 EC: IPC: **A61K31/00; A61K31/28; A61K31/282; (+38)**
 Publication JP2000169377 (A) - 2000-06-20 Priority Date: 1998-12-08
 Info: Partricinderivate zur prophylaktischen und/oder heilenden
 Behandlung von Pilzkontamination in Zell- und Gewebekulturen
- 62 Partricinderivate zur prophylaktischen und/oder heilenden Behandlung von Pilzkontamination in Zell- und Gewebekulturen**
 Inventor: BRUZZESE TIBERIO [IT] Applicant: PRO APARTS INVESTIMENTOS E CON [PT]
 EC: IPC: **A01N1/02; A61K31/70; A61L2/00; (+12)**
 Publication DE69829190 (T2) - 2005-07-21 Priority Date: 1998-12-10
 Info: Partricin derivatives in the prophylactic and/or curative treatment of fungal contamination of cell cultures and of tissues
- 63 Partricin derivatives in the prophylactic and/or curative treatment of fungal contamination of cell cultures and of tissues**
 Inventor: BRUZZESE TIBERIO [IT] Applicant: QUATEX NV [AN]
 EC: **A61K31/70** IPC: **A61K31/70; A61K31/70; (IPC1-7); A01N1/02; (+4)**
 Publication EP1013289 (A1) - 2000-06-28 Priority Date: 1997-09-16
 Info: EP1013289 (B1) - 2005-03-02
 Complexes of N'-dimethylaminoacetylpartricin A dimethylaminoethylamide, or the salts thereof, and cholesterol 3-sulphate
- 64 Complexes of N'-dimethylaminoacetylpartricin A dimethylaminoethylamide, or the salts thereof, and cholesterol 3-sulphate**
 Inventor: BRUZZESE TIBERIO [IT]; MOZZI GIOVANNI [IT] Applicant: QUATEX NV [NL]
 EC: **A61K47/48H4; A61K47/48H4N; (+2)** IPC: **A61K31/575; A61K31/70; A61K47/48; (+4)**
 Publication US6143726 (A) - 2000-11-07 Priority Date: 1996-07-12
 Info: Antitumoral method by administration of partricin derivatives
- 65 Antitumoral method by administration of partricin derivatives**
 Inventor: BRUZZESE TIBERIO [IT] Applicant: PROSPA BV [NL]
 EC: **A61K31/7048; A61K31/706** IPC: **A61K31/505; A61K31/70; A61K33/24; (+6)**
 Publication US6121244 (A) - 2000-09-19 Priority Date: 1997-09-19
 Info: Injicerebare farmaceutiske formuleringer af partricinderivater
- 66 Injicerebare farmaceutiske formuleringer af partricinderivater**
 Inventor: BRUZZESE TIBERIO [IT]; FERRARI VALERIO MARIA [MC] Applicant: PRO APARTS INVESTIMENTOS E CON [PT]
 EC: IPC: **A61K31/70; A61K47/24; A61K9/08; (+9)**
 Publication DK1089710 (T3) - 2005-10-17 Priority Date: 1998-06-25
 Info: FORME FARMACEUTICHE CONTENENTI CLODRONATI PER SOMMINISTRAZIONE INTRAMUSCOLARE AD ELEVATA TOLLERABILITA' LOCALE
- 67 FORME FARMACEUTICHE CONTENENTI CLODRONATI PER SOMMINISTRAZIONE INTRAMUSCOLARE AD ELEVATA TOLLERABILITA' LOCALE**
 Inventor: MOZZI GIOVANNI; BONABELLO ANGELO (+1) Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: IPC: **A61K; (IPC1-7); A61K**
 Publication ITM1992356 (A1) - 2001-05-11 Priority Date: 1999-11-11
 Info: IT1314220 (B1) - 2002-12-06
 Purification of Partricina
- 68 Purification of Partricina**
 Inventor: BRUZZESE TIBERIO; FERRARI VALERIO MARIA [MC] Applicant: QUATEX NV [AN]
 EC: IPC: **C12P**
 Publication ITM120000497 (A1) - 2001-09-13 Priority Date: 2000-03-13
 Info: IT1318386 (B1) - 2003-08-25
 Composition, useful for treatment of disease of skeletal system e.g. osteoporosis, comprises clodronates and having neutral or mildly acidic pH
- 69 Composition, useful for treatment of disease of skeletal system e.g. osteoporosis, comprises clodronates and having neutral or mildly acidic pH**
 Inventor: BRUZZESE TIBERIO; MOZZI GIOVANNI (+1) Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: IPC: **A61K; (IPC1-7); A61K**
 Publication ITM120000584 (A1) - 2001-09-21 Priority Date: 2000-03-21
 Info: IT1318413 (B1) - 2003-08-25
 PREPARAZIONI PER L'USO INTRAMUSCOLARE DI BISFOSFONATI
- 70 PREPARAZIONI PER L'USO INTRAMUSCOLARE DI BISFOSFONATI**
 Inventor: MOZZI GIOVANNI; BONABELLO ANGELO (+1) Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: IPC: **A61K; (IPC1-7); A61K**
 Publication ITM120001174 (A1) - 2001-11-26 Priority Date: 2000-05-26
 Info: IT1318540 (B1) - 2003-08-27
 Composition, useful for treatment of disease of skeletal system e.g. osteoporosis, comprises clodronates and having neutral or mildly acidic pH
- 71 Composition, useful for treatment of disease of skeletal system e.g. osteoporosis, comprises clodronates and having neutral or mildly acidic pH**
 Inventor: MOZZI GIOVANNI; BONABELLO ANGELO Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 EC: IPC: **A61K; (IPC1-7); A61K**
 Publication ITM120001694 (A1) - 2002-01-25 Priority Date: 2000-07-25
 Info: IT1318638 (B1) - 2003-08-27
 USO DELLA MEPARTRICINA PER IL TRATTAMENTO DELLE SINDROMI PROSTATICHE CRONICHE
- 72 USO DELLA MEPARTRICINA PER IL TRATTAMENTO DELLE SINDROMI PROSTATICHE CRONICHE**

- | | |
|---|--|
| <p>Inventor: BRUZZESE TIBERIO</p> <p>EC:</p> <p>Publication ITMI20002230 (A1) - 2002-04-16</p> <p>Info: IT1319218 (B1) - 2003-09-26</p> | <p>Applicant: PRODOTTI ANTIBIOTICI SPA [IT]</p> <p>IPC: A61K</p> <p>Priority Date: 2000-10-16</p> |
|---|--|
- 73** **Injectable pharmaceutical formulations for partricin derivatives**
- | | |
|---|--|
| <p>Inventor: BRUZZESE TIBERIO [IT] ; FERRARI VALERIO MARIA [MC]</p> <p>EC: A61K31/7048; A61K47/24; (+2)</p> <p>Publication US6586407 (B1) - 2003-07-01</p> <p>Info:</p> | <p>Applicant: QUATEX NV [AN]</p> <p>IPC: A61K31/7048; A61K31/7056; A61K31/706; (+14)</p> <p>Priority Date: 1998-06-25</p> |
|---|--|
- 74** **Pharmaceutical compositions containing clodronates for high local tolerance intramuscular administration**
- | | |
|--|--|
| <p>Inventor: MOZZI GIOVANNI [IT] ; BONABELLO ANGELO [IT] (+1)</p> <p>EC: A61K31/663; A61K47/02; (+3)</p> <p>Publication EP1136069 (A1) - 2001-09-26</p> <p>Info:</p> | <p>Applicant: PRODOTTI ANTIBIOTICI SPA [IT]</p> <p>IPC: A61K47/02; A61K47/10; A61K9/00; (+8)</p> <p>Priority Date: 2000-03-21</p> |
|--|--|
- 75** **USO DI FLUOROCHINOLONI CONTRO LE INFEZIONI DA MICOBATTERI**
- | | |
|---|---|
| <p>Inventor: BRUZZESE TIBERIO</p> <p>EC:</p> <p>Publication ITMI20010330 (A1) - 2002-08-16</p> <p>Info:</p> | <p>Applicant: PRODOTTI ANTIBIOTICI SPA [IT]</p> <p>IPC:</p> <p>Priority Date: 2001-02-16</p> |
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- 76 COMPOSIZIONE PER L'ASSUNZIONE ORALE DI LICOPENE E VITAMINA D E SUO USO**
 Inventor: BRUZZESE TIBERIO ; MOZZI GIOVANNI
 EC:
 Publication ITM20010379 (A1) - 2002-08-23
 Info:
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 IPC:
 Priority Date: 2001-02-23
- 77 Intramuscular pharmaceutical composition comprising dexibuprofen and uses thereof**
 Inventor: BRUZZESE TIBERIO [IT] ; MOZZI GIOVANNI [IT] (+1)
 EC: A61K31/192; A61K47/44; (+3)
 Publication EP1175913 (A1) - 2002-01-30
 Info:
 Applicant: PRODOTTI ANTIBIOTICI SPA [IT]
 IPC: A61K31/192; A61K31/20; A61K36/736; (+14)
 Priority Date: 2000-07-28
- 78 BIPHOSPHONATE PHARMACEUTICAL FORMULATIONS (WATER EMULSION OF LIPIDS/PHOSPHOLIPIDS) AND USE THEREOF**
 Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/663; A61K47/14; (+3)
 Publication WO2005044280 (A1) - 2005-05-19
 Info:
 Applicant: BRUZZESE TIBERIO [IT]
 IPC: A61K31/663; A61K47/14; A61K47/24; (+12)
 Priority Date: 2003-11-11
- 79 processo para preparação de uma composição compreendendo compostos insaturados**
 Inventor: BRUZZESE TIBERIO
 EC:
 Publication BRPI0416742 (A) - 2007-01-16
 Info:
 Applicant: PRO APARTS INVESTIMENTOS E CON [PT]
 IPC: C11B3/10; C11B7/00; C11B3/00; (+3)
 Priority Date: 2003-11-19
- 80 USE OF PARTRICIN DERIVATIVES FOR TREATING FUNGAL AND PROTOZOAL INFECTIONS**
 Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/35
 Publication WO2005053677 (A1) - 2005-06-16
 Info:
 Applicant: BRUZZESE TIBERIO [IT]
 IPC: A61K31/35; A61K31/35; (IPC1-7): A61K31/35; (+1)
 Priority Date: 2003-11-24
- 81 Method for the production of wine and wine obtained from such method**
 Inventor: VILLA ADALBERTO [CH] ; BELLACHIOMA ATTILIO [IT] (+2)
 EC: C12G1/00; C12G1/02B
 Publication EP1892286 (A1) - 2008-02-27
 Info:
 Applicant: SAINT SIMEON MARKETING E INVES [PT]
 IPC: C12G1/00; C12G1/02; C12G1/00
 Priority Date: 2006-07-27
- 82 Method for the production of wine and wine obtained from such method**
 Inventor: ADALBERTO VILLA ; CLAUDIO RIPONI (+2)
 EC: C12G1/02B
 Publication ZA200706266 (A) - 2008-06-25
 Info:
 Applicant: SAINT SIMEON MARKETING E INVES
 IPC: C12G
 Priority Date: 2006-07-27
- 83 PROCESS FOR THE PREPARATION OF A COMPOSITION COMPRISING POLYUNSATURATED COMPOUNDS**
 Inventor: BRUZZESE TIBERIO [IT]
 EC: C11B3/10; C11B7/00; (+2)
 Publication HR20080415 (T3) - 2008-09-30
 Info:
 Applicant: PRO APARTS INVESTIMENTOS E CON [PT]
 IPC: C11B3/10; C11B7/00; C11C1/00; (+4)
 Priority Date: 2003-11-19
- 84 USE OF HIGHLY CONCENTRATED COMPOSITIONS OF SELECTED N-3 FATTY ACIDS FOR THE TREATMENT OF CENTRAL NERVOUS SYSTEM DISTURBANCES**
 Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/202
 Publication PT1706106 (E) - 2009-09-04
 Info:
 Applicant: BRUZZESE TIBERIO [IT]
 IPC: A61K31/202; A61P25/08; A61P25/18; (+3)
 Priority Date: 2004-01-21
- 85 COMPOSITION OF N-3 FATTY ACIDS HAVING HIGH CONCENTRATION OF EPA AND/OR DHA AND CONTAINING N-6 FATTY ACIDS**
 Inventor: BRUZZESE TIBERIO [IT]
 EC: A61K31/20; A61K31/202
 Publication US2010160435 (A1) - 2010-06-24
 Info:
 Applicant:
 IPC: A61K31/20; A61K31/185
 Priority Date: 2005-08-10

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